

Polarization Maintaining Optical Circulator

1. Description:

MCIR is characterized with low insertion loss, high isolation, high return loss, high extinction ratio and excellent environmental stability and reliability. It is widely used in fiber amplifier system, fiber lasers and optical fiber sensors.

2. Features:

- High Isolation
- Low Insertion Loss
- High Return Loss
- High Reliability and Stability

3. Applications:

- Fiber Laser
- Inductor
- Fiber Amplifier System
- Optical Fiber Sensors



4. Specifications:

Parameter		Grade P	Grade A
Port Configuration		Port 1 to Port 2 to Port 3	
Operating Wavelength (nm)		1310 ± 20 or 1550 ± 20	
IL(dB)	typical	0.6	0.8
	maximum	0.8	1.0
Max. Isolation (dB)		40	
Min. Isolation (dB)		25	
Extinction Ratio (dB)	Minimum	20	
	Typical	25	
Crosstalk (dB)		≥50	
RL (dB)		≥50	
Power Handling (mW)		300	
The polarization axis		slow axis	
Operating Temperature (°C)		0 ~ + 70	
Storage Temperature (°C)		-40 ~ +85	
Fiber Type		PM on port1 and 2, SMF-28 or PM on port3	
Package Dimensions (mm)		Ø5.5 x L67	



Note: The K key aim at slow axis;

ake connection will increase IL: 0.3 dB ;reduceRL: 5 dB, reduce extinction ratio: 2 dB.